

CLAIMS

What is claimed is:

1. A non-pull cord operable Venetian blind, including a Venetian blind and a lower beam wherein the lower beam has a fixing hole disposed at both the upper and lower sides of both ends thereof respectively for a retaining device to be located at the lower beam thereby; the present invention being characterized by that,
 - the retaining device being made up of a holding sleeve, a limiting spring, a driven member, a rotary member, and an outer cap wherein the driven member with the limiting spring joined at one side thereto is adapted at the holding sleeve and received therein before the rotary member is joined at the other side thereof, and the outer cap is applied at one side of the holding sleeve thereof;
 - in assembly, the outer cap is removed for a retaining cord disposed at both lateral sides of the Venetian blind thereof respectively to be adapted at the retaining device therein; the retaining cord is wound through alternative left and right blades of the rotary member at a receiving cavity of the holding sleeve therein before led straight downwards to be securely fixed to a window sill at the bottom end without any other pull cords applied thereon;
 - in operation, the lower beam thereof is either pushed upwards or drawn downwards to gather up or unfold the Venetian blind thereof; via the guidance of the retaining cord, the rotary member of the retaining device will rotate either counter-clockwise upwards to gather up the Venetian blind, or clockwise downwards to unfold the Venetian blind thereof; meanwhile, three layers of frictional resistance are formed by the retaining device in working with the retaining cord thereof, ensuring the smooth and precise upwards or downwards

movements of the Venetian blind in withdrawal or unfolding under the best using condition.

2. The non-pull cord operable Venetian blind as claimed in Claim I wherein the holding sleeve of the retaining device has a pair of symmetrical flexible hook plates disposed at the upper and lower periphery of one end thereof, a limiting hole disposed at the middle section thereof, and a semicircular receiving cavity with a bottom opening defined at the other end thereof; besides, a pair of arc abutting ribs being symmetrically defined at the opposite inner wall of the receiving cavity thereof, an upper through hole being protruded at the top of the receiving cavity thereof, and a stepwise tunnel being extending at the inner middle section of the holding sleeve communicating with the receiving cavity at one end and ended with a small through hole at the other end thereof.

3. The non-pull cord operable Venetian blind as claimed in Claim I wherein the limiting spring of the retaining device is provided with a sleeve hole disposed at the center thereof, and a pair of left and right stop legs protruding correspondingly at both ends thereof.

4. The non-pull cord operable Venetian blind as claimed in Claim I wherein the driven member of the retaining device is made up of a sleeve rod extending at the middle section thereof, a circular abutting part disposed at one side of the sleeve rod thereof, a flexible rotary shaft with a pair of symmetrical hooks protruding outwards from the center of the circular abutting part thereof, and a pair of flexible plates each with a stepwise hook flange symmetrically extending at the other side of the sleeve rod thereof.

5. The non-pull cord operable Venetian blind as claimed in Claim I wherein the rotary member of the retaining device is provided with a rectangular sleeve hole defined at the center thereof, and a plurality of left and right blades extending alternatively in a fan-like manner at both sides thereof; each right blade having a rib protruding at the corresponding inner side thereof.

6. The non-pull cord operable Venetian blind as claimed in Claim I wherein the outer cap of the retaining device has an upper and a lower recesses defined at both ends thereof, correspondingly matched to the receiving cavity of the holding sleeve thereof.